# Wage Scales and the Living Costs

Scientific Analysis of Advances of Both Compared With the 1914 Basis Shows Startling Results From an Economic Viewpoint-Leonard Blakey's Last Work Offers Many Surprises for Labor, Capital and the Public.

Leonard Blakey, economist and professor, from whose last work the following analysis of Wage Increases and Living Costs was taken, was killed accidentally by an automobile in Chicago recently increase the fruits. just as he was to reap the fruits of years of study. He was born thirty-eight years ago in Racine, Wis., was educated in the public schools there and in Iowa, and was graduated from Beloit Col-lege, taking a post graduate course at Columbia University in

He was an instructor in economics in Tufts College and at Dickinson, and then was attached to the Carnegie Institute of Technology. During the war he was the labor expert at the Mussels Shoals air nitrate enterprise. Last January Mr. Blakey began his study of wage increases and living costs with the idea that the findings might be of value to the nation in its reconstruction problems. When his report was partly completed he was urged to pub lish it in book form for use as textbook at Columbia and at Car-negie Tech. He also planned to send copies for use of the Industrial Conference in session in Washington.

Owing to conditions in the book trade in New York, Mr. Blakey went to Chicago to get speedy publication. The A. W. Shaw Company took up the work. He met his death as he was on his way to have his final revision of the last chapter retyped for the printers.

OIL'S actual gain in fortune as and wages which resulted from

profited unduly by the war. At the risen 77 per cent, over the cost of door of those who were supposed to 1914, the laborer could purchase with have so -patriotically tolled to build his dollar in December, 1918, only "the bridge of ships," and thereby he got by expending 56% cents in Degained wages which were in times of cember, 1914. In other words it took industrial unrest.

by thoroughly understanding the industry in which he was enrolled be works with his hands and the man rise." who uses more of the mental energy .nd less of the physical there is much that will prove helpful in this carefully prepared study of Mr. Blakey. He draws the line so sharply between absorbed in meat and butter and eggs and the wages which are surplus and may be turned into automobiles and principle on which his research is founded one should begin with him on common ground. Those of the middle class which adhers to no union and nether milistones of which they are being constantly ground.

### Workers Profit Abnormal?

"The question is," asks Mr. Blakey, "did all the workers profit immoderately from the necessities of war? Boards of health both in the large cities and the large industrial centres report significant changes in the living conditions of the workers. The new conditions one finds are the influence of the high cost of living on the family dietary, and particularly on the hild's dietary, many women forced into industry to add to the family income, debts incurred to meet the high cost of living, and an increasing number of families either taking in boarders to supplement the family income or dependent upon charity, and a readjustment of amusements, clothing and insurance by the family."

The investigator finds, for instance, that in a survey of 2,100 families made by the New York City Department of Health, that 37 per cent. of them had eliminated meat entirely from their diet and that 43 per cent, had ceased to buy eggs. In nearly one-third of these families the use of milk was either eliminated, considerably reduced "the machinists and the boffermakers, prepared from the Blakey figures, and or loose milk substituted for the bot-Hence, in some cases at least, fore the Railroad Administration es- only the wages of the Western section ne war has not resulted "in unrightous wages," as he puts it, but in pri-

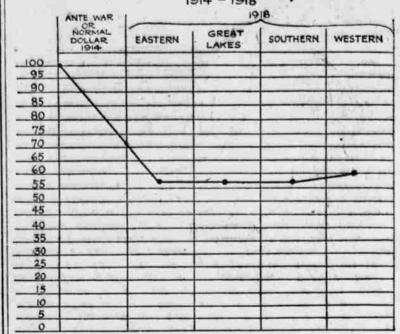
He defines profiteering as the taking of Labor Statistics. The rates were line which marks the baginning of refusal, in view of the burdens of the for those trades. The chart shows boiler makers, who came out one-tenth of fable. war, to accept a constant, or declin- that a serious error would have arisen of a per cent. below it. On the basis

"It is very apparent," he continues, ured on the basis of the rates per hour, himself on the side of the brother-"that enormously high money does The bollermakers, for example, would hoods. not necessarily indicate well being on have gained a 26 per cent. increase in the part of the worker. Wages are, real wages on the basis of rates per after all, measured by what they buy. hour, while in fact the real wages of he writes, "is apparent. While it in-If the living costs have doubled the this craft fell 13-10 per cent. This creased the earnings in 1917—on the workers' money wage must be doubled one instance should be sufficient to basis of the number of hours worked to guarantee that no change shall be warn the reader against placing any made in the standard of living. Real credence in the use of basic rates to as it was supposed to do, it raised wages are the actual commodities that the money wages will buy."

### 1014 as Basis.

crease in real wages, while the rate conductors as well. In only two par-basis would have shown 22 3-10 per ticulars, however, were these increases cent. increase in real wages. The in earnings sufficient to keep pace with Mr. Blakey uses as the base year for his calculations the year 1914 and error in the case of the helpers is not the rise in the cost of living in 1917 employs the data of the United States so extreme, since many of this craft the road freight engineers and the fire-Bureau of Labor Statistics, which have throughout the period been paid men in the Eastern district—and in no case did the increases compensate kind of music. The species of spider are difficult of enumeration. The spiders of North Mexico, Arizona and California. According to Kingsley, this spider digs risen 77 per cent. The food, high as it advantageous to the worker as it is to real wages had fallen for all the is, is only reckoned as two-fifths of the management. With the boiler-brotherhoods. With only two excepis, is only reckoned as two-fifths of the management. With the boiler-brotherhoods. With only two excepthe family budget, being put down as makers in 1917 the advantage was a tions, the Western passenger engiretail prices and rent; fuel, light and 20 per cent, increase in earnings, neers and firemen, had the earnings clothing and sundries are also taken The "K" Railroad, it might be added, in 1916 risen as fast as the cost of livinto account. Under sundries he clas- is one of the best managed and in gen- ing. It would appear then that the eral the most successful railroad in the politicians are, after all, no more accation, amusement, physicians' fees eastern district. and various miscellaneous expendi-"As provided by Congress, the Prestures. These five leading items of ex-penditures are carefully adjusted. Gen.

RISE in COST of LIVING AS SHOWN BY DECLINE of PURCHASING POWER of the DOLLAR 1914 - 1918



Unlike most economists, Mr. Blakev takes into his reckoning the wide differences in the cost of living through-out the United States. He did much original work along this line, which makes his contribution of especial

He prepared a chart, for instance, a result of the inflated prices in which he demonstrates that the cost of living had risen 70 per cent, in the eastern district of the United the European conflict and the relation States; 75% per cent. in the South of these radical changes to the future and 63.31 per cent, in the West. In are admirably analyzed in the book of this chart he uses the words "purchas-Leonard Blakey, which he entitled sense than that employed by some in-"Has Labor Carried Its War Bur-vestigators in this line.
"By this I mean," to quote from the

He finds that some classes of labor, book, "that in th Eastern district, for notably the shippard workers, have example, since the cost of living has seace considered almost fabulous, he \$1.77 to buy what was purchased with Tays the blame of much of the present \$1 at an earlier date, or \$1 purchase adustrial unrest.

Dr. William H. Nichols in a recent lier period. In like manner \$1 in December, 1918, could buy in the Eastern eddress urged upon the workingman that he make research his motto and district only what 57% cents would do in 1915. Doubling the apparent wages that is money wages, in this latter in better prepared to consider the matter stance means a 14.8 per cent. rise in of wages. For both the man who real wages, instead of a 190 per cent.

### The Plumb Plan Again.

One of the most striking instances of the relation of money and of real wages is that furnished by the railthe kind of wages which are largely supervision and therefore subject to roads, which are under Government the control of the various wage fixing boards. The condition of the railroads may be turned into automobiles and has come up much in the last few music machines that to grasp the months in connection with the discussion on the Plumb plan, une

shows that although there were sub- diagram has been adapted. It uses cost of living. In the chart herewith men and helpers these men associated given he indicates the decrease on the with the Brotherhood of Railroad

"Two of the crafts," he continues, A similar diagrammatic illustration

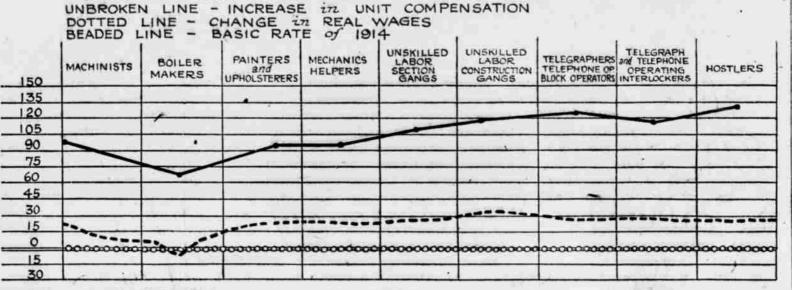
BOILER MAKERS

MECHANICS' HELPERS

MACHINISTS



RAILROAD TELEGRAPH SHOP CRAFTS and COMMON LABOR



not come up to the increase in the in the case of the road freight fire-'real wages" basis by making those Trainmen, did not receive sufficient ad-

wide difference between the percentage General of the Railroads was to create another contrast with the brotherthe transportation system would be "democratized," that is passed under of traffic, might reduce the amount of the Wage Commission. Increased cost perience and immaturity with Ameritae was a control of the labor unions to a control

percentages with asterisks. His chart vance, according to the Blakey figures, the laborers and the shop crafts." to meet the higher cost of living.

Basic Rates and Earnings of "K" Railroad.

were paid on the piece rate basis be- for the purposes of comparison using

measure the rise in real wages. The the earnings of the Eastern pussen-machinists gained a 4½ per cent. in- ger firemen and all of the passenger

curate prophets in railroad affairs than they are in the other departments of

economic life. It is a pity that the whole country should have beer filled

1917

1916

the transportation system would be facilities or other adjustments, not to der No. 27 issued on May 26, 1918, was threatened tieup of the railways last

the Adamson law. On the basis of the first month's experience, January, struggle of a group of honest and 1917, the commission found that the faithful workers to get enough money study," Mr. Blakey adds, "the railroad receivers. Sixty per cent. of the traccompensation increased 2,7 per cent. to meet the rise in the cost of living shop crafts have been in the process tion companies are to-day in the hands rates are rates per month and hence rapid in the passenger service, 15 per cent. and which they did not succeed in of organization. A conservative estimate the finds, too, that even are earnings. The one exception is war.

the earnings of three classes of emthat the increased cost of living had the earnings of three classes of em-ployees, the boiler makers, the ma-chinists and the mechanics' helpers, he that although there were such that although the ware increased the operating cost of in some cases the real wages did wages of the Eastern division. Except the railroads approximately three hundred million dollars a year. The railroad charts will show, however, that the brotherhoods' real wages had fallen fully as far in 1917 as had those of

The author observes that when we pass from the brotherhoods to the telin fact a little above par, and he therewhy the railroad shopmen should in-

to observe the operation and effects of with the righteous indignation over boiler maker contented is to reduce the companies were not able longer

increase in the eastern as compared a commission with instructions to in-with the southern and western dis-tricts indicated that an increase of and working conditions. General Orhave no great capital especially will large extent of the labor unions to a covertime. Actual experience shows that the operation of the law in the basis of computation adopted. To this writer that the operation of the law in the basis of computation adopted. To this writer that the operation of the law in the basis of computation adopted. To this was applied the humanitarian theory workers everywhere—on the railroad which he designated in the control of the law in the basis of computation adopted. To this was applied the humanitarian theory workers everywhere—on the railroad which he designated in the control of the law in the basis of computation adopted. To this was applied the humanitarian theory workers everywhere—on the railroad which he designated in the control of the law in the scales of the Lake Carriers Association. We have seen that the association of the law in the basis of computation adopted to marked the workers in the increased cost of the law in the basis of computation adopted to marked the was applied the humanitarian theory workers everywhere—on the railroad which he designated in the control of the law in the scales of the Wage Commission. Increased cost of living since December, 1915, was the that the operation of the law in the basis of computation adopted to marked the workers in the increased cost of living since December, 1915, was the that the operation of the law in the operation of the workers in the operation of the law in the oper in the factories-is not altogether due to a war within the trade unions. is not always that a faction in the union membership is restive under re-straint, as would appear with the railto-day. The facts are rather that an ever increasing number of workers refuse to believe that the dawning industrial democracy will prove in the end anything other than that bygone industrial autocracy they have been working under. It is this concern that is causing many workers, both an and egraph and shop employees the conditions change and that it is hard to believe that both groups of workers to believe that both groups of workers. Had the trade union movement been water in their capitalization. It recould have been under the same ad-ministration. The increase of wages sive in America in the past the new by the Railroad Administration recruits to-day, altogether restive. Commission may not finally accept the brought the wages of the shop workers would be amenable to authority. The

numerous, however. The more I hear rank and file of American labor does electric rallways of the country.

in the freight service and 25.6 per eventually getting.

mate places the enrolment to-day at less than 50 per cent. of the workers—increase in farcs it refuses to continue to ride as it did under the lower 10, 1918, a number of wage scales cov-

ever the future of the American elec-

Wages Chaotle. "The wage rates in 1914," he says, "were in a chaotic state. To-day the War Labor Board has standardized the wages of the electric railway industry. The poorly paid workers in 1914 are mum of comfort level. Furthermore, the unionization of the street railway cut in wages until a corresponding fall along with the railroad train crews leaves the future of the industry somewhat uncertain. In the present crisis mains to be seen whether for the others the Federal Electric Rallways These were less favorable to union to a parity with the living costs and advocates of a new day are not very municipal ownership and operation on fore maintains that there is no reason the more convinced am I that the tion of the problem now facing the sist on an increase in wages. He says not propose to substitute Socialism in that the way to make the railroad any degree for the cooperation union writes that the harbor and lake em-

Another authority, who has for years | America. It is said that it catches and | ture of a more liberal policy in dealing | comfort, a work | work | Another authority, who has for years made intimate studies of spiders, says kills small birds with its poisonous bite that when undisturbed spiders never and then sucks the blood of its victims, "This survey shows that the war work and real participates with its employees."

The scientific name of that America ness from the bites of spiders are spider called the tarantula is ctenize and Spain—and it is found in those countries to-day—has hairy legs with Emerton, Keyserling and Thorell, and its hole in a fine soil which when dry living made possible by the rise in no doubt by a number of other men is nearly as hard as brick. These It is very likely that when the early who have specialized in insects, and it spider holes are sometimes nearly an Spanish explorers came upon the great is estimated that there are 800 species inch in diameter and vary in depth gone forward rapidly. a good deal of resemblance to the tarantula of the Old World, those ex- thorax, lungs and several other in-

ployees did very well and kept their consumption, such as meat, shoes and agreements, or accepted arbitration, clothes, the investigator found except in one instance. The present most of the workers received not to the street railway industry, which strike began after the death of the high money wages, but that their the declares has reached the parting of analyst. He comments on the excel- wages also reached a very high leading to the comments of the light money wages. the ways. None too prosperous before lence of such a programme as far as In the packing houses of the the war, he declares that many of the some classes of marine workers are concerned, in view of the great insta- of animals are slain and utilized bility of the men who go down to the are many kinds of workers, so sea in ships as a class.

UNBROKEN LINE SHOWS APPARENT OF

DOTTED LINE SHOWS REAL WAGES

BEADED LINE - BASIS of 1914.

eaders are effecting with capitalistic

Mr. Blakey then addressed himself

THE ADAMSON LAW and the BROTHERHOOD TRAINMEN HALF YEAR ENDING - JULY 1 - 1919

MOTORMEN

HELPERS

"Labor turnover," he "mounts at times to 1,600 per cent. There has been, however, and normally remains about 300 per cent. level. Most seamen live a kind of carefree and roving life and fre- long maintained an aloof polic quent changes of employment have ward the unskilled laborers, has been considered to be a part of the fourteen years of negotiation tak seaman's calling. So extensive has the stockyard following into its ? been the shifting of the workers on the great lakes that the Lake Carriers Association-composed of vessel owners and managers operating vessels ing high wages and an eight hour d upon the great lakes, principally such | The common laborers in this induiron ore, coal and grain, articles which make up the bulk of be considered as far from sidlled, were the tonnage on the lakes—has endeavored to recruit their crews from the ranks of the southern Europeans, cents in 1916, to 271/2 in 1917 and to most of whom are frugal in their habits of living, anxious to earn and anxious to save and for the most part of 167% per cent, and an actual of unacquainted with unionism or colective action of any sort. Charts show that the association gave the significant increases in wages to seamen as distinguished from licensed officers and engineers.

"The comparatively recent growth ind the increasing expansion of our merchant marine during the period overed by this study is a further consideration to make the Shipping Board's record remarkable. The chart shows the rise in real wages, since the analyst, longshoremen. Board issued between May 18 and July ering the complete field of employment in this advance, we are crust of the tradition of the on coastwise vessels, and made these vanced labor costs. awards retroactive to May 4, 1918. The are in error, however, for way fare will not easily break. What- 1919 column of the chart shows the clear explanation for substantial increases which resulted can be found in the market tric railway may be, Mr. Blakey finds from these decisions, and from the in the shop. the advance in cost of living. The reason for this is found in the low scales paid this class of labor in 1914. The Shipping Board for its part raised the scales slightly above the cest of living increase in a very few instances. In most cases the seamen and the officers' wages were, as we found with the traction company employees, slightly below the level of real wages in 1914. employees has gone forward rapidly. did the seamen. It is very apparent that the lake and harbor workers,

### their share of the burden of the war, Conditions on the Coast.

"On the coasts the seamen volum tarfly accepted the conditions of work labor than those prevailing before the war. Especially was this true of the Pacific Coast, where at the outset of the war the seamen were about 95 per cent. organized.

issues centre very largely around the policy of the Lake Carriers Association. The most important and vir-tually the dominating member of the association is the Pittsburg Steamship Company, a subsidiary of the United tivity, regulated produ-States Steel Corporation. As Gov. Bass and skins, leather and points out the task before the Shipping | tien and shipping Board was to try to maintain uninter Board was to try to maintain uninter-rupted traffic in a district where the garment workers is attenuate labor policy followed by the association various causes, such as the and the principles believed in by or- of labor, the reaction from ganized seamen of the lakes have been astrons strike of 1913 and to the so diametrically opposed that a peace- ditions of the trade agreement able adjustment of labor issues had at which they are working many times seemed out of the ques- sets forth that on the whole tion. For many years the basic policy erally felt that this industry though it is quite certain that the meanness of its disposition has been of the large and heavy spiders. It is would seem, will learn from the war wages which will gueral of the association was adherence to way to fair adjustment and the open shop. The association, it wage carner will the con-

has not benefited unduly all transpor- functioning and the determ tation workers. The organized trades the functions of work. Out of such at -the railroad brotherhoods, the offi- arrangement as this Mr. Blass cers and engineers on the vessels and the Western seamen, with the single a united and a confensed a exception of the railway telegraphers -have carried the burden of the war through a declining real wage. The unskilled workers and those trades unorganized in 1914, on the other hand, real wages. Of this change they as conscious and the organization propose to hold the advantage they have gained through the war. To a survey of a second group of industries -those producing consumable goods-

Taking up such industries as refer to articles which enter into direct

wages also reached a very high hy In the packing houses of Ches.

PASSENGER

CONDUCTOR

whom are very skilled and o considerably less so. Some of to operations, in fact, are put into the rise in wages, owing to the fact

The workers in this industry profited from the war as few of workers have done, as they are of men who perform tasks which ma hour. The basic rate went to 274 46.8 cents an hour in means an increase in money wird real increase, taking into c tion all the advanced costs of bits

Although shoes are very ligh in vestigation does not indicate that the artisan who tolls in making them is getting much out of the energe costs which the public has it for its footgear.

"The prices of, "are still rapidly than at any The increase from September this year has co war until March. An impo

"Labor is not getting no shoe manufacturers and dust for labor costs, as our an cent, over pre-war rates. in the cost of living. In selected crafts we find have received advances in real It is not strange that these should be found in the later p of manufacture. Once the let cut it is to the interest of the marketed. Among these worker and the platform men, have carried validity of the old adage all alls makers go barefooted.

"The reduction of output ef important factor in the process prices. The output of classification in the quarter ending March, 1919, as compared with reduction in the quarter ending with more than 25 per cent. The reduction is even greater with woman and "On the great lakes marine labor children's shoes. The full explains sues centre very largely around the tion of the high prices for over more than labor cost and underproduction however. The enormous is limited leather supply.

workers and a developmen

The survey will be concluded in next Sunday's SUN. the fina instalment containing

## Facts and Fables of the Tarantula

tablished the time rate basis. The shows that all classes of employees basic hourly rate for the shops of this classified as under the designation particular railroad were available in "railroad telegraph, shop craft and the reports of United States Bureau common labor," kept above the basic somewhat lower than the union scale real wages with the exception of the

had the rise in real wages been meas- of these figures Mr. Blakey aligned creature that it is the Lycosa Tarantula, a species of spider found in some of the warmer parts of Italy and Spain. When full grown it is about color. Its bite was at one time posed to be dangerous and to induce it is known not to be worse than the sting of a common wasp.

It is an old fable, extending to strange dancing mania in its victims and that this epilepsy or madness black markings on them.

plorers, not being entomologists, called teresting organs, as, for example, the new spider a tarantula. And the spinning glands and spinnerets.

It is recorded that a good many exmuch as a cork does in the neck of a There seems to be no doubt that the periments have been made to throw bettle.

is a spider, says of that terrifying so many Americans call the tarantula, lowed. though it is quite certain that the

emotest times, that the bife of this size and strength of their jaws. The its head. stories of death, insanity and lameprobably untrue.

times represented as one of California, old Mexico and many other man. One distinguished entomologist the terrors of the arid portions of the Southwestern States and tion and the feature of hairy legs a these drew blood, giving a sensation northern Mexico, is not really, it seems, the tarantula of history and of fable.

tion and the teature of hairy legs a like that of a sharp needle prick. The layman might easily mistake him for like that of a sharp needle prick. The of fable. go, and it is just as well to avoid if very much the sensation of mosquitters, in remarking that the tarantula possible that particular spider which bites, but no permanent ill effects fol-

a native of tropical and sub-tropical that when undisturbed spiders never and then sucks the blood of its victims bite anything except insects useful as The body of this spider is dead black their food, but that when attacked or and is covered with long reddishcornered all species open their jaws brown hair. It possesses eight eyes and bite if they can, depending on the placed close together in the front of

of the coal, steel and industries, with some concerning the profes commercial classes, an panied by an emphati up of the conclusions wi writer offered as a means ing some of our most vexes eco-nomic problems.